

University Awarded Top Place in National Energy Conservation Competition

The University of Alberta Physical Plant entry placed first out of 37 submissions in an energy conservation competition sponsored by the Post-Secondary Education Task Force on Energy Management (PETFEM). PETFEM's competition, held under the auspices of the Canadian Association of University Business Offices (CAUBO), drew the financial support of Energy, Mines and Resources, Canada.

The winning submission by the Energy Management Division detailed the conversion of the ventilation system in the Home Economics Centre to variable air volume from the original dual duct configuration. Energy consumption was reduced by 40 percent and the utility bill was lowered by \$20,300 in the first year.

Kevin Moodie, Superintendent of Plant Operations, will present the award-winning project on 22 October in Halifax at the national conference on energy management titled "Back to Basics." □

FOLIO

University of Alberta

19 September 1985

National Universities Week Getting Up to Speed

Every week that slips by brings Canada's 65 universities closer to National Universities Week.

From 19 to 27 October, the various institutions are going to emphasize show and tell. "Show" refers to exhibitions, tours, demonstrations, etc. Participants in the "tell" part include university presidents. More than two dozen speaking engagements have been confirmed. Here are some examples. Douglas Wright, President of the University of Waterloo, will deliver the Robert M. Hardy Anniversary Lecture in Engineering at our

University. Myer Horowitz will address Edmonton's Southside Rotary; University of Calgary President Norman Wagner will speak at the University of Saskatchewan.

Other university presidents who are participating in the NUW Speakers Bureau include David Johnson, McGill; Robert Rosehart, Lakehead; E. Margaret Fulton, Mount Saint Vincent; Roland Doré, Ecole Polytechnique; Robin Farquhar, Winnipeg; and William Saywell, Simon Fraser.

(The Bureau has been organized by Al Squibb, Director of Public

Affairs. President Horowitz and Dr. Doré are co-chairmen of National Universities Week.)

These and other presidents and their peers have expressed a willingness to talk about accessibility to universities, social and political factors affecting universities, the role of both general and professional education in universities, research and university/industry interface and a number of other topical topics.

Speakers will talk to a variety of influential community audiences across the country.

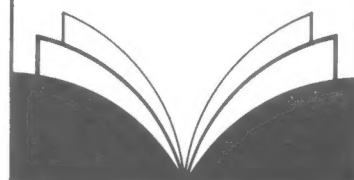
At this University, Gerry Moss, Associate Dean of Science (External Relations), is Chairman of the Coordinating Committee. Dr. Moss is firming up some 20 events in a variety of disciplines (a listing will appear in next week's *Folio*) and he is most anxious to hear from those who are holding, or are thinking of holding, an event which might come under the National Universities Week umbrella. His telephone number is 432-3169. □



Any day now Ring House Gallery will be tapping the University/Community Special Projects Fund in order to buy a grazing permit for the "buffalo" on the front lawn. The exhibition *Buffalo: "these Beast on ye Barren ground"* has been extended to 24 October. Review in next week's *Folio*. (*Buffalo Pound*, 8 February 1820. Lieut. George Back, line engraving 1823. Collection of the Glenbow Museum, Calgary.)

Contents

- New course on the Chemical Engineering block
- Homecoming promises a full weekend
- Vehicle Pool's new look
- 'Marvin' joins Photo Services



Technology and Biology Meet in New Graduate Course

A new course with some novel and unusual aspects will be offered in Chemical Engineering for the first time next term.

Aimed at graduate students in chemical engineering and in the biological sciences, the course, "Engineering Aspects of Biotechnology," is intended to give the engineers an understanding of biological systems, and show them how to apply their knowledge to an industrial biological process. Biologists will be introduced to first principles—the fundamentals of chemistry, mathematics and physics—and will learn to apply these principles to understand the "why" of biological processes.

Engineers and biologists usually take very different approaches to a problem, says Murray Gray, Chemical Engineering, who, with Marc LeMaguer, Food Science, and Don Gerson, Alberta Research Council, will teach the course.

Engineers calculate from first principles and are not concerned with biological systems.

Biologists, on the other hand, take a descriptive approach and don't usually apply mathematical

tools to simulate the action or correlate what is happening.

"But," says Dr. Gray, "if you don't use scientific method, you have to use trial and error. And this can be expensive when you are trying to take an idea from the lab to the

point where it can become commercial. Biologists have a problem with scale-up, and engineering analysis can help."

Dr. Gray gives much credit for initiating the course to Don Westlake, Microbiology, who is inter-

ested in taking his own research work in antibiotics from a lab scale to industrial production.

It is hoped that further cooperative work of this kind will be initiated between other specialties. □

Much in Store for Returning Alumni

Having bumped up the number of activities for Homecoming '85, Alumni Affairs is expecting record numbers of alumni to stroll the campus 4, 5 and 6 October.

The annual Homecoming begins Friday at 7 p.m. in the Stollery Centre with registration, refreshments and the renewing of friendships. Saturday's events begin in the Heritage Lounge, Athabasca Hall, with the consumption of the famous Tuck Shop cinnamon buns and java. Other activities on the slate include tours of campus and the Mackenzie Health Sciences

Centre, and the annual autumn classic, the Turkey Trot, a four or eight km course (the runner's choice) which gives alumni a chance to win a Thanksgiving turkey. L'Express, the speciality restaurant in SUB, will open for grads at noon. The Homecoming Dinner and Dance will get under way at 6:30 p.m. at the Westin Hotel.

Sunday is devoted to special class functions, including a brunch for Diamond and Gold grads (1925 and 1935, respectively) hosted by Presi-

dent and Mrs. Horowitz.

Homecoming '85 will introduce the awarding of special prizes to lucky ticket holders. The prizes are: a return flight for two to San Francisco, courtesy of Air Canada; weekend accommodation for two at the Westin Hotel, Edmonton; an official University of Alberta chime clock.

All alumni are invited to attend Homecoming, the key telephone number for which is 432-3224 (Alumni Affairs). □

FOLIO

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Number Seven

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Public Affairs produces *Folio*
on a regular basis for the
staff and other interested
persons.



University
of
Alberta

Deadlines:

Notices of coming events: 9 a.m. three weeks in advance of desired publication date.

Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made.

Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to select, edit and position submitted copy. Views expressed in *Folio* do not necessarily reflect University policy.

Folio contents may be reprinted with acknowledgment.

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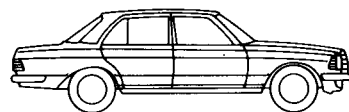
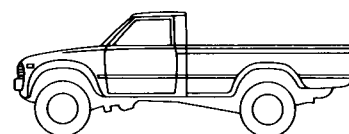
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Visual Identity Committee Turns Attention to Vehicle Pool

The green University vehicles that have become so familiar to us over the years are gradually being phased out and the new units in Vehicle Pool will convert to the standards set by the Visual Identity System.

The new vehicles are yellow with a beige University crest, and will be phased in over the next 10 years. Visual Identity designer Walter Jungkind told *Folio* that the new color was chosen for visibility, but it was not to be too obtrusive. The modified crest (decal) is beige, so as not to provide too much contrast. Professor Jungkind also mentioned that there is a correlation between visibility and accidents, and that yellow is more visible than dark green. "We tried to make it look practical and classical," he said.

Vehicle Pool Assistant Manager Ed Dux assured *Folio* that the green vehicles will not be painted yellow unless a paint job is necessary and that old trucks will only be replaced on the normal replacement plan. Because some units do not



come from the factory in that color, tenders are sent out for the paint job. The color was chosen by members of the Visual Identity Committee, and approved by the President. At present, 25 of the approximately 250 Vehicle Pool vehicles adhere to the Visual Identity System.

Meanwhile, Phase I of the Visual Identity System is drawing to a close, with approximately 96 per cent of the University stationery having been standardized. Phase II, which involves the standardization of publications, is well under way. □

Frederick Agard: EFF Distinguished Visitor

As part of the University's Distinguished Visitor program, Frederick B. Agard of Cornell University's Department of Modern Languages and Linguistics will deliver a series of six lectures on the general topic "What is a Language, and What is a Dialect?"

Professor Emeritus Agard will visit from 30 September to 11 October.

A noted historical linguist and Romance dialectologist, Dr. Agard will present for discussion his theory of language delimitation and differentiation. The theory, which entails the identification of the specific structural criteria involved in determining whether two given speech systems may be said to be dialects of the same language or two separate languages, will be il-

lustrated on two levels. During the first three lectures exemplification will be taken from modern English, French and Spanish as well as from dialectal variations of those languages, for example, Scottish, Quebecois and Aragonese. In the second three lectures the same criteria will be applied to the question of language change over time with

reference to the evolution of Latin into the various Romance languages and especially into French and Spanish.

Sponsored by the Department of Romance Languages, the lectures will be given on 30 September, and 2, 4, 7, 9 and 11 October from 4 to 6 p.m. in the Senate Chamber, Arts Building. □



Activities

The Faculty of Nursing's **Kay Dier** has been granted leave from 1 September to 31 December in order to accept a consultancy with CIDA in Pakistan. As the health representative on a five-member team, her role will be to identify development projects for women in the primary health care sector... "An annotated bibliography of indexes and abstracts" has been compiled by **Randy Reichardt** and is housed in the Reference Section of the Science and Technology Library. It is part of the University's Library Bibliography Series 1... Two University of Alberta students are among the 10 recipients of the Gulf Canada Ltd. Graduate Fellowships. The awards, worth \$9,000 each, were granted to **Darin Lowther** of Calgary and **Brian Zelt** of Sherwood Park. Lowther is studying economics; Zelt's field is mechanical engineering... **Reynold Siemens** has recently published *Siemens' Treasury of Religious Verse...* The 1985 recipient of the Sandra Garvie Memorial Award is **Viviane Ignace** of the Central Interior Tribal Council. The \$1,000 award was created to honor Sandra Garvie, librarian at the Legal Resource Centre from 1976 to 1979, and her contribution to the field of public legal education... **James R. Butler**, Department of Forest Science, and **Roland Maw** of Lethbridge Community College have written *Fishing Canada's Mountain Parks*, a book that is designed to help the sport fisherman hook fish in the Rocky Mountains and Montana's Glacier National Park... Our University was well represented at the 1985 World University Games (24 August to 2 September) in Kobe, Japan. Universiade Corporation Past President **Ed Zemrau** went as a CIAU representative; **Myer Horowitz** attended on behalf of the Board of Governors, co-host of the previous World University Games; **Hank Tatarchuk**, who was Director of Sport at the 1984 Olympics, attended at the request of the Japanese organizing committee, and as an assistant to FISU officials with sport organization and administration. **Nancy Jettie** is a sport physiotherapist; **Francis Tally** is an international gymnastics judge; **Brian Watson** is a coach with the Canadian Men's Volleyball team; **Toni Kordic** and **Terry Danyluk** are both members of that team; **Jim Henderson** is a diving coordinator; **Lorne Sawula** is the coach of the national women's volleyball squad and **Tracy Mills** is a member of the women's volleyball team... "Small Worlds: Music for String Trio" was premiered at the recent International Suzuki Association's World Conference. **Alfred Fisher's** work was commissioned by the Association and performed by **Norman Nelson** and **Michael Bowie**, assisted by **Colin Ryan**. Also presented during the conference was "Peace Variations," a work for children's string orchestra.

Your Helping Hand

You have seen it often: the symbol with the hand outstretched to help, the rainbow of hope arched over it, and you—or the person you help—at the centre.

It is the logo of United Way—which for 45 years has been providing human service to the hungry, the lonely and the desperate in your community.

Launched with the joint effort and support of the labour and business communities, United Way now depends on a tradition of community-wide support to enable it to go on helping people to help people.

More than one person in three in and around Edmonton relies in some way on help from one of the

100 or more health and human care programs offered by United Way member agencies. Every day, there is someone who needs support to carry on. It may be an unemployed father who can't feed his young family; or a teenager in despair who has no place to go; a new widow who can't face life alone; a desperately sick person needing blood to live; a child who has been abused;...the need is endless.

Once a year only, United Way conducts a campaign to raise the funds it needs to support the programs.

It's that time of year now.

The goal is \$5.7 million, and fund raisers are hoping that everyone will play their part.



United Way
of Edmonton and Area

United Way on Campus

The goal for the 1985 University of Alberta United Way campaign is \$180,000. The money raised will provide help to the more than 40 agencies of the United Way of Edmonton and area.

Organizations that become agencies of the United Way agree not to campaign outside of the United Way. The member agencies are very dependent upon the success of the campaign. Included among these agencies are the Canadian

Red Cross Society, Girl Guides of Canada, Boy Scouts of Canada, and St. John Ambulance.

Donations to the United Way can be directed to a specific agency if a contributor so desires. If you wish to direct your contribution to a specific agency, just attach a note to your contribution form.

Please consider donating to the United Way and remember "Good things can happen." □

Meet 'Marvin': Filmprocessor Extraordinaire

Michael Bell move over. Photo Services has just announced that they will be closed Saturday and Sunday to prepare for the hordes of customers who will gather on Monday to view "Marvin", their new wonder machine.

"Marvin" is actually their brand new film processor, worth approximately \$30,000, and capable of processing a roll of Ektachrome E-6 slide film in 37 minutes flat. With his help, one photo technician can process up to 100 rolls of film per day. (According to photo technician Louise Asselstine, the old machine could produce a maximum of 30 rolls a day—and that was with one technician, a tool kit and a lot of patience.) "Marvin" is a professional piece of equipment designed

for large photo labs. A product of Kreonite Inc. of Wichita, Kansas, he has automatic temperature, time and chemical replenishment rates, and once fed the film, does not require constant attention. But wait, there's more. Photo Services has also acquired a new computerized mounter that can print the name and phone number of the department on the slide mount.

Customers can purchase the Ektachrome film at Photo Services. For convenience, the film is sold with pre-paid mailers that can be dropped into campus mail, or the mailer can be purchased separately. Please note that the film is sold at University bulk prices with federal tax exempt, but this is only available on a departmental basis. □



Voilà! The start of a beautiful friendship for Louise and "Marvin."

Faculty of Nursing Publishes Research Inventory

A 40-page publication was issued recently by the Faculty of Nursing, describing research and scholarly activities in the Faculty from 1980 to 1984, and listing some 40 ongoing and proposed projects in nursing research.

This is a remarkable increase over the past few years, says Dean Janetta MacPhail. Five years ago, only five projects were under way, and only two of these were funded. In 1984, however, the Faculty held research project grants totalling

\$140,000, most of which were obtained on a competitive basis. Projects include descriptive, experimental and historical approaches to the study of nursing practice, nursing education and nursing administration. All are perceived as contributing ultimately to the advancement of nursing knowledge and practice—in nursing research the focus is on the patient, in contrast to medical research where the focus is on the disease.

There is, however, still a lot of

catching up to be done in the area of funding, nurse researchers feel.

More than \$6 billion are spent yearly in Canada on nursing services. If one percent of that amount were spent on nursing research, that would be some \$60 million annually. Yet, according to Shirley Stinson, it is estimated that the all-time high spent on nursing research in any one year was \$1.7 million in 1983. The amount spent on medical *qua* medical research in that same year was more than \$135 million.

Alberta is the only province or state government in the world to earmark funding for nursing research: in 1982, the Alberta Foundation for Nursing Research (AFNR) was established and \$1 million over five years was committed to nursing research. The AFNR research grant award program has created a real impetus in this field. Another key element in its development and expansion, say the authors of the publication, has been the financial and moral support received from the Faculty of Graduate Studies and Research (\$22,700 in 1984-85, along with continued encouragement to improve and expand nursing research).

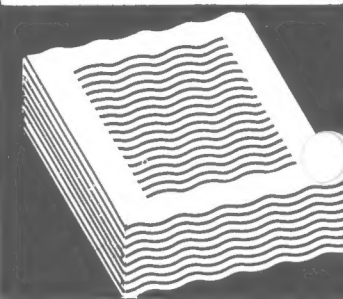
Thus, while funding continues to be a major barrier to the development of nursing research, particularly in terms of the development of graduate level programs, progress within the Faculty of Nursing in the last four years has been substantial. □

Selection Committees for Deans

Advisory Selection Committees are continuing their searches for **Deans of the Faculties of Home Economics, Law, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, and Science**. Appointments will take effect 1 July 1986 or as soon as candidates approved by the Board of Governors are available. Incumbent Deans Bachynsky and Glassford have confirmed their candidacies for reappointment.

Suggestions of possible candidates and assessments of the leadership needs of these Faculties are invited. Nominations or applications, accompanied in the latter case by a detailed résumé of qualifications and experience and the names of three referees, should be submitted to Dr. J. Peter Meekison, Vice-President (Academic), 3-5 University Hall, by 1 November 1985 for Deans of Home Economics, Law, Pharmacy, and Physical Education, and by 15 October 1985 for Dean of Science.

Currents



General Faculties Council

There will be a meeting of GFC on 23 September at 2 p.m. in the Council Chamber, University Hall. Among other proposals Council will be discussing the proposal for four-year BA (General) and BSc (General) Degree Programs. For a complete agenda, please contact the Secretariat at 432-4965 or 432-4733.

'A Planet for the Taking'

Educational Media Services, Faculty of Extension, has secured the CBC series "A Planet for the Taking." The normal institutional cost for individual programs on videocassette is \$400 each, or \$2,400 for the series. Educational Media Services has purchased master tapes and duplication rights. For short-term use, 3/4-inch videocassettes are available on loan to departments. For home use, 1/2-inch copies on VHS and BETA will be available on loan to videocassette library members from the Adult Student Centre.

However, if a department wishes to have a set of videocassettes, Educational Media Services can provide them for the cost of blank videocassettes, plus a service fee of \$30 for the cost of duplicating the eight programs. For information from Jim Shaw, 432-5047.

Retirement Function for Doug Burns

Retiring Ceremonies and Protocol Officer W.A.D. (Doug) Burns will be

honored at a reception at University House on 31 October. Light refreshments will be served from 3 to 5 p.m. At 4 p.m., President Horowitz will initiate a brief presentation ceremony. All friends and colleagues of Mr. Burns are invited to attend the function.

Study Leave

You are reminded that, in accordance with The Faculty Agreement, application for 1986-87 study leave should be submitted, through Department Chairmen to Deans, no later than 15 October 1985. Application forms are available in Faculty offices or from the Office of the Vice-President (Academic).

Faculty Women's Club Luncheon

The Faculty Women's Club Fall Luncheon will take place on 9 October at noon in the Papaschase Room, Faculty Club. Guest speaker Mel Hurtig will discuss the *Canadian Encyclopedia*. Luncheon tickets at \$8 are available from Libby Smith, 434-2661, or from Interest Group Convenors.

Talks

Chemical Engineering

19 September, 3:30 p.m. Andreas Acrivos, Stanford University, "The Boycott Effect—Sedimentation in Settling Vessels Having Inclined Walls." E-346 Chemical/Mineral Engineering Building.
20 September, 3 p.m. Dr. Acrivos, "The Rheology of Concentrated Suspensions." E-346 Chemical-Mineral Engineering Building.

Medicine

20 September, 8 a.m. D. Witt, "Physiology in the Critical Care Unit." 2-115 Clinical Sciences Building.

Zoology

20 September, 3:30 p.m. Charlie Schweger, "The Fossil Pollen Record of Goldeye Lake and Paleocology of the Ice-Free Corridor." M-145 Biological Sciences Building.
4 October, 3:30 p.m. Thomas M. Frost, University of Wisconsin, Trout Lake Station, "Algal-Invertebrate Symbioses in Freshwater Sponges: How is Autotrophy Balanced With Heterotrophy?" M-145 Biological Sciences Building.

Canadian Institute of Ukrainian Studies

20 September, 7:30 p.m. Roman Brytan, "The Azure Rose, Rediscovering Lesia Ukrainka's Unattainable Ideal." Heritage Lounge, Athabasca Hall.

Advisory Committee on Women's Studies

23 September, 7:30 p.m. Dale Spender, "Mothers of the Novel: 106 Good Women Novelists Before Jane Austen." L-1 Humanities Centre.
25 September, 1 p.m. Ms. Spender, "There's Always Been a Women's Movement This Century." 10-4 Tory Building.
26 September, 3:30 p.m. Ms. Spender, "Women's Intellectual History." L-3 Humanities Centre.
20 September, 7:30 p.m. Ms. Spender, "The Silence of Women." L-1 Humanities Centre.
30 September, 3:30 p.m. Ms. Spender, "The Feminist Challenger to the Nature of Knowledge." 814 General Services Building.

1 October, 12:30 p.m. Ms. Spender, "Feminists as Intellectuals." 2-34 Humanities Centre.

1 October, 7:30 p.m. Ms. Spender, "Reflecting Men." L-1 Humanities Centre.

2 October, 2:30 p.m. Ms. Spender, "The Nature of Knowledge." 5-180 Education North Building.

Boreal Institute, Anthropology and Political Science

24 September, 3:30 p.m. Peter Loveday, Field Director of North Australia, Research Unit of the Australian National University, "Political Development in Northern Australia." 10-4 Tory Building.
26 September, 3:30 p.m. Peter Loveday, "The Delivery of Government Services and Local Community Politics in Northern Australia." 14-6 Tory Building.

East Asian Languages and Literatures

25 September, 3:30 p.m. Joseph S.M. Lau, Professor and Chairman, University of Wisconsin at Madison, "The Question of Chinese Self in the Context of Western Literature." L-2 Humanities Centre. Co-sponsored by Comparative Literature, Slavic and East European Studies and East Asian Studies Committee.

Limnology and Fisheries Discussion Group

26 September, noon. Wayne Roberts, "Man-Induced Changes in the Fish Fauna of the Red Deer River." G-217 Biological Sciences Building.
3 October, noon. Tom Frost, University of Wisconsin, "Interpreting a Whole-Lake Acidification Experiment: Initial Direct Analyses and Perspectives Provided by Long-Term Lake Variability." G-217 Biological Sciences Building.

Chemical Engineering

26 September, 3 p.m. H.J. Weinitschke, University of Erlangen, "Numerical Methods for Non-Linear Equations." E-342 Chemical/Mineral Engineering Building.
30 October, 3 p.m. Orville C. Sandall, University of California, Santa Barbara, "Simultaneous Absorption of H₂S and CO₂ Into Aqueous Methyl-diethanolamine." E-342 Chemical/Mineral Engineering Building.

Canadian Pacific Symposium

26 and 27 September. "Applications of Biotechnology to Western Canadian Agriculture and Forestry." 432-4587.

Alberta Heritage Foundation for Medical Research

27 September, 3:30 p.m. Howard Berg, Division of Biology, California Institute of Technology, Pasadena, "A Model for the Flagellar Rotary Motor." M-145 Biological Sciences Building.

11th Annual MacEachran Memorial Lecture Series

7 to 9 October, 7:30 p.m. Alice Eagly, Department of Psychological Sciences, Purdue University, "The Social Psychology of Sex Differences: A Social Role Interpretation." CW-410 Biological Sciences Building.

President's Club Wants All Members Present and Accounted For

Do you know anyone who has donated \$1,000 or more to the University during the past year, and has not yet been invited to join the President's Club? Membership is extended to the University's most

ner takes place on 30 October 1985.

If you know someone who should be a member of the President's Club, call the Fund Development Office at 432-4418. Anyone who has donated close to

The President's Club

generous supporters: those who donate \$1,000 or more annually to the University.

Gifts in kind, cash, payroll deduction and support for special projects or Faculties are all counted toward eligibility.

The deadline for membership for 1985-86 is 30 September. The second annual President's Club Din-

\$1,000 during the past year, perhaps to different causes at the University, is invited to discuss potential eligibility with Fund Development personnel.

As organizers of the Club put it: "President's Club members are very special people at the University. We'd hate to miss any." □

Films

23 September, noon. Lutheran Campus Ministry South African Film Series—"Cry for Freedom." 034 SUB.
7 October, noon. "Torture of a South African Pastor." 034 SUB.

The Arts

SUB Theatre

20 September, 7:30 p.m. The Canada-India Youth Society and the Edmonton Multicultural Society present "Edmonton Multicultural Youth Extravaganza." 420-6866.
21 September, 8 p.m. "Desperately Seeking Susan" (1985).
22 September, 8 p.m. "The Killing Fields" (1984).
27 to 29 September, 8 p.m., and 29 September, 2 p.m. "The Azure Rose"—an adaptation and translation of the Ukrainian play by Lesia Ukrainka. 426-4329, 466-6538. Tickets: BASS.

Edmonton Film Society

30 September, 8 p.m. "The Diary of Anne Frank" (1959). TL-11 Tory.
7 October, 8 p.m. "Libeled Lady" (1936). TL-11 Tory.

Edmonton Chamber Music Society

2 October, 8 p.m. St. Martin in the Fields Octet. Admission by season membership only, available at SUB Box Office, Canadiana Galleries, Woodward's and the door. SUB Theatre.

Music

5 October, 8 p.m. "Encounters"—works by Arnold Bax, Domenico Scarlatti, Heinrich Schütz and a work by Alfred Fisher that was commissioned for last summer's meeting of the International Suzuki Association. Linda Suss, 432-3263.

Sports

21 September, 2 p.m. Football—Golden Bears vs. University of Saskatchewan.
25 September, 7:30 p.m. Hockey—Golden Bears vs. Camrose College.
28 September, 2 p.m. Football—Golden Bears vs. University of Manitoba.

Matters of Faith

Lutheran Campus Ministry Worship—Sundays, 10:30 a.m. 158A SUB.

Anglican Chaplaincy. Eucharist, Thursdays, 12:30 p.m. Meditation Room, 158A SUB.

St. Joseph's College Mass—Weekend Masses—Saturday, 4:30 p.m.; Sunday, 9:30 and 11 a.m. and 4 p.m. Weekday Masses—Monday, Wednesday and Friday, 7:30 a.m., 12:10 and 4:30 p.m.; Tuesday and Thursday, 7:30 a.m., 12:30 and 4:30 p.m.; Saturday, 12:10 p.m.

25 September, 7:30 p.m. Understanding Catholicism—Fr. Dave Norman, "Jesus the Christ." Marcia, 433-2275. 102 St. Joseph's College.

"Genesis 2"—A 12-session program of spiritual growth. Sr. Bernice Vetter, 433-4461. Faculty Lounge, St. Joseph's College. (Series began on 17 September.)

Physical Education Centre Renamed in Honor of Former Dean

The Physical Education and Recreation Centre has been renamed the "Van Vliet Centre" in honor of former Physical Education Dean Maurice (Maury) L. Van Vliet.

Dr. Van Vliet joined the University in 1945 as head of the then physical education program. Under his direction, the program grew to

become a department, then a school, and finally, a Faculty. His concern for the educational value of intercollegiate athletic programs and the broadly-based intramural programs at the University was well-known, and his unique blending of the two created a Faculty that became a model for the nation.

Dr. Van Vliet was Director of the Physical Education Department at the University of British Columbia prior to his appointment to our University. In 1974, he was seconded from the University to serve as President of the 1978 Commonwealth Games Foundation. He retired from the University in 1978. □

New Scholarships in Mathematics

Henry and Muriel Rieger and the family of Thomas Frederick Rieger have established a scholarship in memory of Thomas Rieger. The fund will provide two scholarships of up to \$1,000 each on an annual basis to students entering the third or fourth year of a BSc program in Mathematics. The first awards will be made this spring.

Tom Rieger struggled through normal school and university during the depression, and went on to become one of Alberta's most prominent educators. He served as President of the ATA in 1963, and was named "Educator of the Year" in 1973 by the University of Alberta Chapter of Phi Delta Kappa.

Jack Macki, Chairman of Mathematics, commented that "Tom Rieger's struggle to get a university education and his commitment to education in this province are stories worth transmitting to future generations." The Mathematics Department is preparing a biographical sketch of Tom Rieger's life to accompany the award. □



University of Alberta
Edmonton

The University of Alberta invites you to attend the 1985

75th ANNIVERSARY LECTURES

Tuesday, September 24, 1985

**"The Present Day Alchemy:
Changes the Gold of Science into Lead"**

John A. Allen 75th Anniversary Lectureship in Science with internationally acclaimed geophysicist and Director General of the Ontario Science Centre **J. Tuzo Wilson**

Tuesday, October 15, 1985

Robert M. Hardy 75th Anniversary Lectureship in Engineering with the President of the University of Waterloo **Douglas Wright**

Tuesday, October 22, 1985

"Food Production Problems in the Developing Nations"

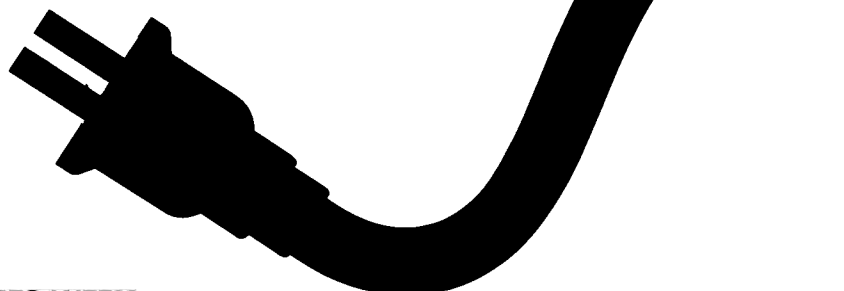
Nathaniel H. Grace 75th Anniversary Lectureship in Agriculture with Nobel Peace Prize laureate for the "green revolution" **Norman Borlaug**

All lectures will take place at 4 p.m. in Lecture Theatre 1 of the Humanities Centre

Admission is free and the public is urged to attend these important lectures.

Sponsored by the Alberta Research Council in recognition of the University of Alberta's 75th Anniversary, 1982-83.

**NATIONAL
UNIVERSITIES WEEK
EXTENDING IDEAS INTO YOUR COMMUNITY** OCTOBER 19 THROUGH 27



Student Advisors Appointed

Jim Small, Professor of Educational Administration, has been re-appointed Assistant Dean of Student Services in charge of Student Advising Services. Dr. Small will again be joined in his responsibilities by Norma Sharpe. Students seeking advice concerning an academic situation in which they feel they have been treated unfairly can contact Dr. Small or Ms. Sharpe by appointment at 300 Athabasca Hall, 432-3483. □

Award Opportunities

Izaak Walton Killam Memorial Scholarships

Value: Pre-doctoral scholarships are valued at \$12,500 annually for two years, and are renewable for a third year. There is a one-time research grant of \$1,500 attached to this award. Post-doctoral scholarships are valued at \$24,500 annually for two years plus a travel grant and a one-time research grant of \$2,000. Scholars may be offered an additional stipend by their department for teaching a full course. **Eligibility:** Pre-doctoral scholarships are offered to outstanding students registered in, or admissible to, doctoral programs in all fields at the University of Alberta. Applicants must have

completed at least one year of graduate work before start of tenure. Post-doctoral scholarships are offered in most fields. Doctoral graduates of the University of Alberta are not eligible to apply. These awards, established with funds provided through a bequest to the University by Dorothy J. Killam, are subject to Canadian income tax. There is no restriction as to citizenship. **Deadlines:** Doctoral scholarships—applications must be received by 1 February 1986. Post-doctoral scholarships—applications must be received by 2 January 1986. Application forms may be obtained from: Secretary, Killam Scholarship Committee, University of Alberta, 252 Athabasca Hall, Edmonton, Alberta T6G 2E8.



People's Republic of China Graduate Scholarships

Donor: People's Republic of China. **Where tenable:** People's Republic of China. **Level:** Graduate. **Field:** Modern or classical Chinese language, Chinese literature or history, philosophy, political economy, archaeology, music, arts, art history, architecture, pharmacology, Chinese pharmacology, medicine, Chinese medicine. **Value:** Tuition and fees, accommodation, medical services, and subsidized internal travel. **Number:** Approximately 7 or 8. **Duration:** One academic year, renewal for one further year possible. **Conditions:** Canadian citizen with a first degree from a recognized university. Applicants for studies in medicine are expected to have completed a major portion of their medical studies before arriving in China. **Closing date:** 31 October 1985. **Further information and application forms should be requested from:** Scholarship Administration Services, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. Telephone: (613) 563-1236.

Government of Austria Scholarship Program

Donor: Austria. **Where tenable:** Austria. **Level:** At least two years of university study must be completed first. **Field:** All disciplines. **Value:** 5,000 Austrian shillings monthly. Settling-in allowance of 2,500 shillings, 1,000 shillings for books, maximum 2,000 shillings monthly for accommodation possible, return airfare, and tuition fees. **Number:** Two. **Duration:** Nine months. 1 October to 30 June. **Conditions:** Canadian citizens, with a sound knowledge of the German language essential, as classes will all be conducted in German. **Closing date:** 31 October 1985. **Further information and application forms should be requested from:** Scholarship Administration Services, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa,

Ontario K1P 5N1. Telephone: (613) 563-1236.

Government of France Graduate Awards

Donor: France. **Where tenable:** France. **Level:** Preference given to doctoral studies. **Field:** All cultural and scientific disciplines. **Value:** 2,050 francs a month. Travel expenses, university fees, medical costs, access to university facilities (restaurants, residences, etc.). Possible allowances for travel, housing, typing of thesis, etc. **Number:** Unspecified. **Duration:** 1 to 3 years depending on level of studies. **Conditions:** Canadian citizens with an honours degree, with a sound knowledge of French language (a special supplementary scholarship for language training may be provided, but it must be specifically applied for). **Closing date:** 31 October 1985. **Further information and application forms should be requested from:** Scholarship Administration Services, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. Telephone (613) 563-1236.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Chemiomed Ltd.

Chemiomed Ltd. is in the process of expanding its staff in the areas of Biochemistry and Immunology. Résumés are invited from those with training at the MSc, BSc, MSc and PhD levels. Preference will be given to those with extensive laboratory experience.

Chemiomed Ltd. is a biotechnology company engaged in research and development, marketing and sale of products in the health care area.

Résumés should be sent to Chemiomed Ltd., 11145 87 Avenue, Edmonton, Alberta T6G 0Y1.

Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond 13 September 1985.

Clerk Typist II, Anthropology, (\$1,190-\$1,478)
Clerk Steno II (Trust), Extension (Legal Resource Centre) (\$1,190-\$1,478)

Clerk Typist III, Universities' Co-ordinating Council, (\$1,326-\$1,666)
Clerk Typist III, Faculté Saint-Jean, (\$1,326-\$1,666)
Clerk Typist III, Materials Management, (\$1,326-\$1,666)
Clerk Steno III (Part-time), Faculty of Business, (\$663-\$833)
Clerk Steno III (Trust), Biochemistry, (\$1,326-\$1,666)
Clerk Steno III, Physics, (\$1,326-\$1,666)
Clerk Steno III, Physics (Nuclear Research Centre) (\$1,326-\$1,666)
Clerk Steno III, Boreal Institute for Northern Studies, (\$1,326-\$1,666)
Clerk Steno III (Term), Extension (Local Government Studies), (\$1,326-\$1,666)
Clerk Steno III (Term), Dean of Education, (\$1,326-\$1,666)
Senior Financial Records Clerk (Trust), Cancer Research Group, (\$1,326-\$1,666)
Medical Stenographer (Trust), Medicine, (\$1,478-\$1,888)
Parking Attendant (Part-time, Recurring Term), Parking Services, (\$893-\$1,109)
Food Services Worker I, Housing and Food Services, (\$1,190-\$1,478)
Security Watchman, Housing and Food Services, (\$1,190-\$1,478)
Building Services Worker II, Housing and Food Services, (\$1,326-\$1,666)
Housing Worker Supervisor, Housing and Food Services, (\$1,326-\$1,666)
Storeman II, Materials Management, (\$1,425-\$1,810)
Graphics Technician I, Technical Services (Graphics) (\$1,534-\$1,968)

Maintenance Worker I, Physical Plant, (\$1,600-\$2,053)
Technician I (Part-time, Trust), Psychiatry, (\$764-\$984)
Biochemistry Technician II/III (Trust), Pediatrics, (\$1,739-\$2,548)
Administrative Assistant I, Personnel Services, (\$1,888-\$2,437)
Technician IV, Physics, (\$2,237-\$2,905)
Technologist III, Computing Science, (\$2,237-\$2,905)
Building Superintendent II, Physical Plant, (\$2,237-\$2,905)
Programmer Analyst III, Computing Science, (\$2,661-\$3,475)

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.

Advertisements

Accommodations available

For sale - Belgravia. Unique, 1,200 sq. ft. bungalow. Large lot. \$91,000 financing. Asking \$107,500. Immediate possession available. Ed Lastiwka, Royal LePage, 437-7480, 437-4984.
For sale - Belgravia. Large, three-bedroom, semi-bungalow. Hardwood floors. Super location. Asking \$86,300. Ed or Art, Royal LePage, 437-7480.
Sale - Grandview, four bedrooms, three baths, two large fireplaces, family

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Sale - Character, three-bedroom, two-storey home with finished basement. Garneau. 433-1978 (evenings), 427-9246 (days).

For rent - Three-room apartment, own entrance. Three blocks from University. \$380/month. Older working lady preferred. 433-4870.

Rent - 10839 University Avenue. Well furnished, one-bedroom suite. \$450. 433-6024.

Rent - Nice home for 2 1/2 months. \$500 month. 20 October. 466-0559.

Sale - Pleasantview. Cozy, two-bedroom bungalow. 60' by 150', treed lot. \$79,500, offers. Call Joyce Byrne, 435-6064, 436-5250. Spencer's.

Rent - Four-bedroom, executive house in exclusive location, 25 minutes University. Large, ravine backyard, next to parkland, southern exposure, 24' swimming pool. Available immediately. \$988/month. 484-7593, 486-3081.

Sale - Two-bedroom, half duplex, near University. Five appliances, three balconies. Why rent? Cathy Hawkins, The Permanent, 468-2100.

For sale - University condo. One bedroom, south exposure, air conditioned, appliances, elevator, underground parking, security intercom. \$52,400. Wade Klimchuk, ReMax Real Estate. 462-5000.

Sale - City acreage, south of Riverbend. 1.18 acres. 2,400 sq. ft., custom-built, spacious home. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - One acre city lots, south of Riverbend. Some ravine. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Grandview. Custom-built, 2,400' home. Large, spacious rooms. Large lot. Close to ravine. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - University. Three bungalows, with garages. Three blocks to campus. \$49,700 and up. Call Chris Tenove, 433-5664, 436-5250. Spencer's.

Rent - Charming, three-storey, three-bedroom house with fireplace, art studio, sundeck, washer, dryer, microwave. In park near University. Available 20 December 1985-1 July 1986. \$650/month. 433-4867.

Accommodations wanted

Visiting professor and wife want accommodation near campus. Phone Charlesworth, 432-2664, 433-3498.

Automobiles and others

1975 A.M.C. Pacer, 3-speed manual, AMA tested, good working order, some body rust, asking \$1,100. 434-5840 or 432-3074.

Hard, black vinyl top (removable) for Fiat 124 Spyder convertible, two years old. Good condition. \$250. 432-0967 evenings.

Goods for sale

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Cash paid for used appliances, 432-0272. New Royal typewriters \$115-\$730, some with computer interface and rent-to-own plan. Used typewriters when available. Mark 9, HUB Mall. 432-7936.

Lowrey organ, ideal for small church or chapel. Cherrywood, full keyboard, one octave foot chord. \$1,000 or best offer. 434-5477.

Whirlpool, heavy-duty clothes washer and dryer. One year old, beige finish, good condition. \$750 for pair. 432-0967 evenings.

Sears, 3.5 hp, 20" rotary, gasoline-powered, lawn mower with rear-mount grass catcher. One year old, good condition. \$275. 432-0967 evenings.

Kimball 37" upright piano, two years old, \$1,800. 434-5840 or 432-3074.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary healthcare reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue. 436-8059.

Quaker worship, Sundays, 11 a.m. Soroptimist Room, YWCA. 100 Ave. 103 St.

Will do all kinds of renovations, small and large. Phone 434-9709 evenings.

Word processing, photocopying, typing course, theses and résumés. Speed and quality. Mark 9, HUB Mall, 432-7936.

Flute lessons, near University.

Experienced teacher and performer. BMus, BS ED, ARMTA. Doreen Beck, 439-1266.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

Windsor Park Cooperative Nursery School. Openings for children age three, by 1 March. Connie, 432-7296, or Judi, 433-0405.

Wanted, loving, mature person for 14-month-old girl. Mon.-Fri. Live-out. Non-smoker. West end. References. *Edmonton Journal*, Box JC680.

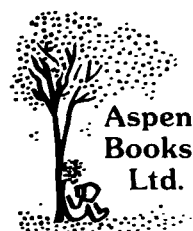
Meditation group (Buddhist) meets Wednesdays, 7 p.m., Paul Kane House, 10220 121 St., in preparation for a visit by our teacher, a distinguished Tibetan lama. Beginners welcome, 6:30 p.m. Information, call 459-0701 evenings.

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St. Stephen's College 62nd Annual Convocation Wednesday, September 25, 1985

8:00 p.m.

All Saints' Cathedral
10035 - 103 Street, Edmonton

Convocation Speaker

The Honourable Thomas R. Berger, B.A., LL.B.
— former Justice of the Supreme Court of British Columbia
— Alaska Native Review Commissioner
— Adjunct Member of the Faculty of Law
University of British Columbia
— Author of *Fragile Freedoms*

Chaplain

The Right Reverend E. K. Clarke
Bishop, Anglican Diocese of Edmonton

Reception: Masonic Temple
10318 - 100 Avenue, Edmonton

St. Stephen's Convocations are celebrations of the life and work of the College to which the public is cordially invited